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Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001057291	A	20010227	JP 99233298	A	19990819	200128 B
DE 10040144	A1	20010531	DE 1040144	A	20000817	200131
KR 2001039830	A	20010515	KR 200047883	A	20000818	200167

Priority Applications (No Type Date): JP 99233298 A 19990819

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001057291	A		7	H05B-033/14	
DE 10040144	A1			H01L-051/00	
KR 2001039830	A			H01L-033/00	

Abstract (Basic): JP 2001057291 A

NOVELTY - The organic thin film EL element formed on transparent insulated substrate (1) is protected by sealing cap (6). The space between sealing cap and insulated substrate is sealed with inert gas (10) and fine hydroscopic particles (8).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for manufacturing method of organic thin film EL device.

USE - Used for display in portable information terminals.

ADVANTAGE - The inert gas and fine hydroscopic particles are sealed in the space between sealing cap and insulated substrate, thereby moisture absorption capability is high with no need for oxygen absorbent. The thickness of adhesive agent bonding insulated substrate and sealing cap is reduced. No extra damp-proofing is required, as no moisture is permeated by protective layer, hence organic thin film EL device emitting light stably for a long period, is materialized.

DESCRIPTION OF DRAWING(S) - The figure shows the sectional view of organic thin film EL device.

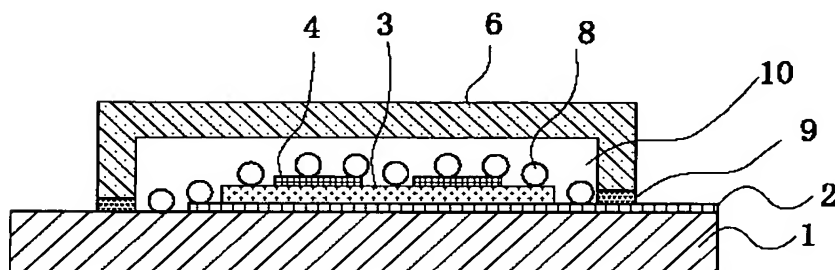
Transparent insulated substrate (1)

Sealing cap (6)

Hydroscopic particles (8)

Inert gas (10)

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Title Terms: ORGANIC; THIN; FILM; ELECTROLUMINESCENT; DEVICE; PORTABLE;
INFORMATION; TERMINAL; SEAL; INERT; GAS; FINE; HYDROSCOPIC; PARTICLE;
SPACE; TRANSPARENT; INSULATE; SUBSTRATE; SEAL; CAP; ELECTROLUMINESCENT;
ELEMENT

Derwent Class: U14

International Patent Class (Main): H01L-033/00; H01L-051/00; H05B-033/14

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